**In class activity - Ch.3 (3.5 TCP)**

TCP - a hybrid between GBN and SR

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| Connection-oriented point to point |
| 3-way handshake connection – Fig.3.39 |
| Full duplex |
| 20 Bytes header – Fig. 3.29 |
| Err detection |
| Numbered segments |
| Timer |
| Retransmission – Fig. 3.34, 3.35   * Timeout for retransmit >1 RTT * EstimatedRTT (Fig. 3.32) = * DevRTT = * Timeout = |
| Cumulated ACK (No NAK) – Fig. 3.36 |
| Duplicate ACK and fast retransmit - Table 3.2/247; Fig. 3.37 |
| Flow control |
| Congestion control |
| Start and stop a TCP connection - Fig. 3.39, 3.40 |
| Reliable |